Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10454-019001	Application No. 10/004,580
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Kemal Sonmez, et al	
(37 CFR §1.98(b))		Filing Date December 3, 2001	Group Art Unit 2621

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	CA	US 6,438,496 B1	Aug. 20, 2002	Yoshida *et al.*	702	19	Aug. 20, 1998
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	CL							
	CM							
	CN							
	CO							
	CP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	CQ	
	CR	
	CS	
	CT	

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	2-17-05

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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Kemal Sonmez et al.	
		Filing Date December 3, 2001	Group Art Unit 2621

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BA	6,314,434 B1	11/06/01	Shigemi et al.			
	BB	5,873,052	02/16/99	Sharaf			
	BC	5,701,256	12/23/97	Marr et al.			
	BD	5,568,563	10/22/96	Tanaka et al.			
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	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	BL							
	BM							
	BN							
	BO							
	BP							

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	BR	
	BS	
	BT	

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37 CFR 1.98(b))		Filing Date December 3, 2001	Group Art Unit 2621

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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,128,587	10/03/2000	Sjolander			
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AC							
	AD							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AE	Baldi, P. et al., "Hidden Markov Models of Biological Primary Sequence Information", *Proc. Natl. Acad. Sci. USA*, Vol. 91, pp. 1059-1063; February 1994.
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	AG	Brakch, N. et al. "Favourable Side-Chain Orientation of Cleavage Site Dibasic Residues of Prohormone in Proteolytic Processing by Prohormone Convertase 1/3", *Eur. J. biochem.* Vol. 267, pp. 1626-1632; 2000.
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	AK	Chou, K-C. et al., "Studies on the Specificity of HIV Protease: An Application of Markov Chain Theory", *Journal of Protein Chemistry*, Vol. 12, No. 6, pp. 709-724; 1993.
	AL	Chou, K-C., "Prediction of Human Immunodeficiency Virus Protease Cleavage Sites in Protein", *Analytical Biochemistry* Vol. 233, pp. 1-14; 1996.
	AM	Chou, K-C. et al., "Predicting Human Immunodeficiency Virus Protease Cleavage Sites in Proteins by a Discriminant Function Method", *Proteins:Structure, Function, and Genetics* Vol. 24, pp. 51-72; 1996.
	AN	Eddy, SR., "Hidden Markov Models", *Current Opinion in Structural Biology*, Vol. 6, pp. 361-365, 1996.
	AO	Eddy, SR., "Profile Hidden Markov Models", *Bioinformatics, Vol. 14, review of HMMs* 1998.
	AP	Eddy, SR. et al., "Maximum Discrimination Hidden Markov Models of Sequence Consensus", *J. Computational Biology* Vol. 2 pp. 9-23, 1994.
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10454-019001	Application No. 10/004,588
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Kemal Sonmez, et al	
		Filing Date December 3, 2001	Group Art Unit 2621

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AR	Grate, L, et al., "Tutorial: Stochastic Modeling Techniques: Understanding and Using Hidden Markov Models" University of California, Santa Cruz, CA, pp 1-34, June 1996.
	AS	Grice, JA. Et al., "Reduced Space Sequence Alignment", *CABIOS*, Vol. 13, pp. 45-53, 1997.
	AT	Grundy, WN., et al. ""Meta-MEME: Motif-Based Hidden Markov Models of Protein Families", to appear in *Computer Applications in the Biosciences*, 1997.
	AU	Hughey, R. et al., "Hidden Markov Models for Sequence Analysis: Extension and Analysis of the Basic Method", Reprint *CABIOS* Vol. 12, pp. 95-107, 1996.
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	AX	Jagla, B. et al., "Adaptive Encoding Neural Networks for the Recognition of Human Signal Peptide Cleavage Sites" *BIO, Vol. 16*, No. 3, March 2000.
	AY	Karchin, R. et al., "Weighting Hidden Markov Models for Maximum Discrimination", *Bioinformatics*, Vol. 14, pp. 772-782, 1998.
	AZ	Karchin, R., "Hidden Markov Models and Protein Sequence Analysis" from http://www.cse.ucsc.edu/research/compbio/ismb99.handouts//KK185FP.html printed from website March 14, 2002.
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	ABB	Karplus, K. et al., "Predicting Protein Structure Using Hidden Markov Models", *Proteins:Structure, Function, and Genetic*, Suppl., pp. 134-139; September 1997.
	ACC	Krogh, A. et al., "Hidden Markov Models in Computational Biology. Applications to Protein Modeling", *J. Mol. Biol.* Vol. 235, pp. 1501-1531; February 1994.
	ADD	Krogh, A. et al., Predicting Transmembrane Protein Topology with a Hidden Markov Model: Application to Complete Genomes" *Journal of Molecular Biology* Vol 305, No. 3, pp.567-580; 2001.
	AEE	Ladunga, I., "Large-Scale Predictions of Secretory Proteins from Mammalian genomic and EST sequences" *Analytical Biotechnology*, pp. 13-18; 2000.
	AFF	Lockless, SW. et al. "Evolutionarily Conserved Pathways of Energetic Connectivity in Protein Families", *Science* Vol. 286, pp. 295-299; October 1999.
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	AHH	Nielsen, H.et al., "Identification of Prokaryotic and Eukaryotic Signal Peptides and Prediction of Cleavage Sites", *Protein Engineering* Vol. 10, No 1, pp.1-6; January 1997.
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		Filing Date December 3, 2001	Group Art Unit 2621

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	ALL	Rabiner, LR., "A Tutorial on Hidden Markov Models and Selected Applications in Speech Recognition", *Proceedings of the IEEE*, Vol. 77, No 2, pp.257-186; February 1989.
	AMM	Rholam, M. et al., "Role of Amino Acid Sequences Flanking Dibasic Cleavage Sites in Precursor Proteolytic Processing. The Importance of the First Residue C-terminal of the cleavage site", *Eur. J. Biochem* .Vol. 227, pp. 707-714; February 1995.
	ANN	Tarnas, C. et al., "Reduced space hidden Markov model training", *Bioinformatics*, Vol. 14. pp. 401-406, 1998.
	AOO	UCSC Comp. Biol. Group, "Sequence Alignment and Modeling System" from http://www.cse.ucsc.edu/research/compbio/sam.html printed from website March 14, 2002.

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